



LIEKKI™ Er40-4/125 fibers are highly doped erbium fibers for L-band amplifiers requiring very low level of PMD and non-linear effects.

The typical fiber length per application is about 15m.

Features

- Excellent batch consistency of erbium peak absorption and spectral shape
- Very short fiber lengths reduces non-linear effects like FWM, SRS and SBS
- Wide and flat spectrum
- Low polarization mode dispersion, typical value <25 fs/m
- Low splice loss, LIEKKI™ EasySplice software for splicing parameters
- Suitable for both 980 nm and 1480 nm pumping
- Telcordia GR-1312-CORE Generic Requirements qualified
- Dual layer UV-cured acrylate coating

Applications

- L-band DWDM
- L-band ASE sources
- Low non-linearity applications

Typical Device Performance

Package		LIEKKI™ Er40-4/125
Optical		
Mode Field Diameter at 1550 nm	µm	6.5 ± 0.5
Peak Core Absorption at 1530 nm	dB/m	40 ± 4
Core Numerical Aperature (nominal)		(0.2)
Cut-off Wavelength	nm	800 - 980
Geometrical and Mechanical		
Core Concentricity Error	µm	< 0.7
Cladding Diameter	µm	125 ± 2
Cladding Geometry	µm	Round
Coating Diameter	µm	245 ± 15
Coating Material		High Index Acrylate
Proof Test	Kpsi	> 1

Proven Performance

Typical Performance Data

